AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing Of Claims:

1.-13. (Canceled)

14. (New) An atomization system for a fuel, comprising:

a fuel injector;

an atomization tube including at least a first section and a second section, the first section having at least one of an outer diameter and a wall thickness that is different than that of the second section;

an air inlet; and at least one metering aperture.

- 15 (New) The atomization system as recited in Claim 14, wherein:
 the atomization system is for charging a chemical reformer in order to obtain hydrogen.
- 16. (New) The atomization system as recited in Claim 14, wherein:

 an inner diameter of the first section is greater than an inner diameter of the second section.
- 17. (New) The atomization system as recited in Claim 14, wherein: the second section is formed at a downstream side of the first section.
- 18. (New) The atomization system as recited in Claim 17, wherein: in the second section, multiple bore holes are formed on multiple levels.
- 19. (New) The atomization system as recited in Claim 14, wherein: the second section is divided into multiple subsections.

- 20. (New) The atomization system as recited in Claim 19, wherein:
 the outer diameter of the atomization tube is greater in a first one of the subsections than in a second one of the subsections.
- 21. (New) The atomization system as recited in Claim 20, wherein: the second of the subsections coincides with a respective level.

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- 22. (New) The atomization system as recited in Claim 21, wherein:
 a plurality of bore holes are formed in the second of the subsections.
- 23. (New) The atomization system as recited in Claim 18, wherein:
 the wall thickness of the first section equals the wall thickness of the second section.
- 24. (New) The atomization system as recited in Claim 23, wherein: diameters of the bore holes per level increase in a downstream direction.
- 25. (New) The atomization system as recited in Claim 14, wherein:

 an outer shaping of the atomization tube is achieved by turning on one of a lathe,
 a grinding machining, and an erosive machining.
- 26. (New) The atomization system as recited in Claim 18, wherein:a diameter of the bore holes is approximately 100 μm to 250 μm.
- 27. (New) The atomization system as recited in Claim 26, wherein:
 a ratio between a diameter and a length of the bore holes is at least equal to 1.

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